

DOCKETED	
Docket Number:	20-LITHIUM-01
Project Title:	Lithium Valley Commission
TN #:	247099
Document Title:	Ana Luiza Nicolae Comments - Inclusion of induced seismicity as potential environmental risk
Description:	N/A
Filer:	System
Organization:	Ana Luiza Nicolae
Submitter Role:	Public
Submission Date:	10/28/2022 2:58:05 PM
Docketed Date:	10/28/2022

Comment Received From: Ana Luiza Nicolae
Submitted On: 10/28/2022
Docket Number: 20-LITHIUM-01

Inclusion of induced seismicity as potential environmental risk

The draft report does not clarify whether potential geological events (such as earthquakes) that would be consequences of the uptick in geothermal exploitation in the southern Salton Sea area are to be explicitly monitored and shared with the public. While the effect of potential induced seismicity (human action-caused earthquakes) is mentioned in relation to the ATLiS project (Draft report pp.48-49), it is not made an explicit requirement within the environmental impact reports concerning all the project developers in the region. According to recent studies [see BRODSKY, Emily E, and Lia J LAJOIE. "Anthropogenic Seismicity Rates and Operational Parameters at the Salton Sea Geothermal Field." *Science (American Association for the Advancement of Science)* 341, no. 6145 (2013): 543-46. -OR- Chen, X., J. McGuire, and Anonymous. "Possible Effects of Geothermal Operations on Earthquake Triggering Processes in the Salton Sea Geothermal Field." *Seismological Research Letters* 86, no. 2B (2015): 724. - etc.] anthropogenic (human caused) forcing of the terrestrial crust are affecting the region of the Salton Sea Geothermal Field and because there is no measure of risk currently agreed upon, communities in the region are neither taught about the probability of being affected by earthquakes, nor why the science of seismology does not allow geothermal companies to extract without causing seismicity. I would like to propose a clause which would oblige different project developers to disclose their production statistics for every day of the year (production being the value of injected and extracted water into and out of the crust), readily available in an open source hub, so that any citizen, as well as expert scientists can build better earthquake monitoring processes and thus prevent the public from receiving undue stress from this extreme phenomenon.